

ABSTRACT

A method for communicating between a controller and a device with double-buffered
5 inputs comprises the steps of providing one or more communication paths for exchanging data
between the controller and the device, providing a data transfer control signal from the controller
to the device for transferring input data from one or more input registers into one or more
latchable data registers, and providing a data transfer delay signal from the device to the
controller, wherein, in a first logic state, the data transfer delay signal prevents transfer of input
10 data from the input registers into the latchable data registers until after a transition to a second
logic state occurs on the data transfer delay signal. An apparatus for communicating between a
controller and a device is also described.